



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. [HERE](#)

Solid-state relays - PLC-HPT-24DC/230AC/10 - 2905215

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



PLC-INTERFACE, hybrid solid-state relay incl. bypass relay with push-in connection, for mounting on NS 35/7,5 DIN rail, input: 24 V DC, output: 24 V AC - 253 V AC/10 A

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 927307

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
-------------------------	---

Dimensions

Width	6.2 mm
Height	80 mm
Depth	86 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP20

Input data

"0" signal switching threshold in reference to U_C	< 0.4
"1" signal switching threshold in reference to U_C	> 0.8
Typical response time	30 ms
Typical turn-off time	20 ms
Status display	Yellow LED
Type of protection	Protection against polarity reversal
	Surge protection
Surge voltage protection	> 33 V DC
Transmission frequency	1 Hz

Output data

Solid-state relays - PLC-HPT-24DC/230AC/10 - 2905215

Technical data

Output data

Designation	AC hybrid output
Output voltage range	24 V AC ... 253 V AC (50/60 Hz)
Limiting continuous current	10 A (see derating curve)
Min. load current	100 mA
Leakage current	< 1 mA
Surge current	250 A (tp = 20 ms, at 25°C)
Max. load value	350 A ² s (tp = 10 ms, at 25 °C)
Surge voltage protection	> 275 V
Output circuit	2-wire, floating
Type of protection	RCV circuit

Connection data, input side

Connection name	Input side
Connection method	Push-in connection
Conductor cross section solid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross section AWG	26 ... 14

Connection data, output side

Connection name	Output side
Connection method	Push-in connection
Conductor cross section solid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross section AWG	26 ... 14

General

Mounting position	any
Assembly instructions	See derating curve
Operating mode	100% operating factor
Designation	Air clearances and creepage distances between the power circuits
Standards/regulations	DIN EN 50178
Rated insulation voltage	260 V AC
Degree of pollution	2
Overvoltage category	III

Standards and Regulations

Designation	Air clearances and creepage distances between the power circuits
Standards/regulations	DIN EN 50178
Rated insulation voltage	260 V AC
Insulation	safe isolation
Degree of pollution	2
Overvoltage category	III

Solid-state relays - PLC-HPT-24DC/230AC/10 - 2905215

Classifications

eCl@ss

eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 8.0	27371604

ETIM

ETIM 4.0	EC002055
ETIM 5.0	EC001504

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed



cUL Listed



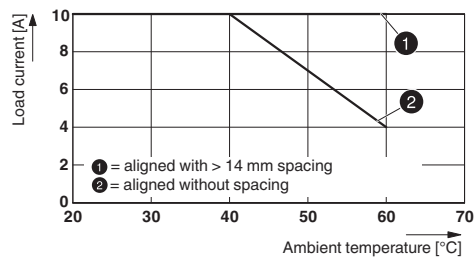
cULus Listed



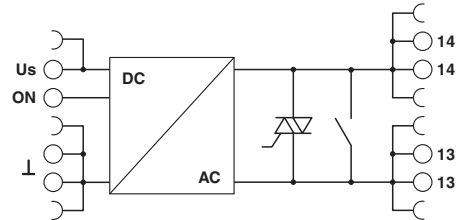
Drawings

Solid-state relays - PLC-HPT-24DC/230AC/10 - 2905215

Diagram



Circuit diagram



Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
PLC-INTERFACE, hybrid solid-state relay incl. bypass relay with push-in connection, for mounting on NS 35/7,5 DIN rail, input: 24 V DC, output: 24 V AC - 253 V AC/10 A	2905215	PLC-HPT-24DC/230AC/10	Buy on EAN